



# SEQUENCE LISTING

<10> STEINMAN, RALPH A  
NUSSENZWEIG, MICHEL C  
SWIGGARD, WILLIAM J  
JIANG, WANPING

<120> IDENTIFICATION OF DEC, A RECEPTOR WITH  
C-TYPE LECTIN DOMAINS, NUCLEIC ACIDS ENCODING DEC, AND USES  
THEREOF

<130> 600-1-081CON

<140> 09/586,704

<141> 2000-06-05

<150> 08/381,528

<151> 1995-01-31

<160> 13

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 30

<212> PRT

<213> homo sapiens C terminal DEC-205

<400> 1

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<211> 25

<212> PRT

<213> homo sapiens N terminal DEC-205

<400> 2

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<211> 1723

<212> PRT

<213> mus musculus predicted DEC-205

<400> 3

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Asn	Asp	Pro	Phe	Thr	Ile	Val	His	Glu	Asn	Thr	Gly	Lys	Cys	Ile	Gln	
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Pro	Leu	Ser	Asp	Trp	Val	Val	Ala	Gln	Asp	Cys	Ser	Gly	Thr	Asn	Asn	
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Met	Leu	Trp	Lys	Trp	Val	Ser	Gln	His	Arg	Leu	Phe	His	Leu	Glu	Ser	
65					70					75					80	
Gln	Lys	Cys	Leu	Gly	Leu	Asp	Ile	Thr	Lys	Ala	Thr	Asp	Asn	Leu	Arg	
			85						90					95		
Met	Phe	Ser	Cys	Asp	Ser	Thr	Val	Met	Leu	Trp	Trp	Lys	Cys	Glu	His	
			100					105					110			
His	Ser	Leu	Tyr	Thr	Ala	Ala	Gln	Tyr	Arg	Leu	Ala	Leu	Lys	Asp	Gly	
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Tyr	Ala	Val	Ala	Asn	Thr	Asn	Thr	Ser	Asp	Val	Trp	Lys	Lys	Gly	Gly	
	130					135					140					
Ser	Glu	Glu	Asn	Leu	Cys	Ala	Gln	Pro	Tyr	His	Glu	Ile	Tyr	Thr	Arg	
145				150						155					160	
Asp	Gly	Asn	Ser	Tyr	Gly	Arg	Pro	Cys	Glu	Phe	Pro	Phe	Leu	Ile	Gly	
				165					170					175		
Glu	Thr	Trp	Tyr	His	Asp	Cys	Ile	His	Asp	Glu	Asp	His	Ser	Gly	Pro	
			180					185					190			
Trp	Cys	Ala	Thr	Thr	Leu	Ser	Tyr	Glu	Tyr	Asp	Gln	Lys	Trp	Gly	Ile	
		195					200					205				
Cys	Leu	Leu	Pro	Glu	Ser	Gly	Cys	Glu	Gly	Asn	Trp	Glu	Lys	Asn	Glu	
	210					215					220					
Gln	Ile	Gly	Ser	Cys	Tyr	Gln	Phe	Asn	Asn	Gln	Glu	Ile	Leu	Ser	Trp	
225				230						235					240	
Lys	Glu	Ala	Tyr	Val	Ser	Cys	Gln	Asn	Gln	Gly	Ala	Asp	Leu	Leu	Ser	
			245						250					255		
Ile	His	Ser	Ala	Glu	Leu	Ala	Tyr	Ile	Thr	Gly	Lys	Glu	Asp	Ile		
			260					265					270			
Ala	Arg	Leu	Val	Trp	Leu	Gly	Leu	Asn	Gln	Leu	Tyr	Ser	Ala	Arg	Gly	
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Trp	Glu	Trp	Ser	Asp	Phe	Arg	Pro	Leu	Lys	Phe	Leu	Asn	Trp	Asp	Pro	
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Gly	Thr	Pro	Val	Ala	Pro	Val	Ile	Gly	Gly	Ser	Ser	Cys	Ala	Arg	Met	
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Asp	Thr	Glu	Ser	Gly	Leu	Trp	Gln	Ser	Val	Ser	Cys	Glu	Ser	Gln	Gln	
				325					330					335		
Pro	Tyr	Val	Cys	Lys	Lys	Pro	Leu	Asn	Asn	Thr	Leu	Glu	Leu	Pro	Asp	
			340					345					350			
Val	Trp	Thr	Tyr	Thr	Asp	Thr	His	Cys	His	Val	Gly	Trp	Leu	Pro	Asn	
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Asn	Gly	Phe	Cys	Tyr	Leu	Leu	Ala	Asn	Glu	Ser	Ser	Ser	Trp	Asp	Ala	
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Ala	His	Leu	Lys	Cys	Lys	Ala	Phe	Gly	Ala	Asp	Leu	Ile	Ser	Met	His	
385				390						395					400	
Ser	Leu	Ala	Asp	Val	Glu	Val	Val	Val	Thr	Lys	Leu	His	Asn	Gly	Asp	
			405						410					415		
Val	Lys	Lys	Glu	Ile	Trp	Thr	Gly	Leu	Lys	Asn	Thr	Asn	Ser	Pro	Ala	
			420					425					430			
Leu	Phe	Gln	Trp	Ser	Asp	Gly	Thr	Glu	Val	Thr	Leu	Thr	Tyr	Trp	Asn	
		435					440					445				
Glu	Asn	Glu	Pro	Ser	Val	Pro	Phe	Asn	Lys	Thr	Pro	Asn	Cys	Val	Ser	

	450					455					460					
Tyr 465	Leu	Gly	Lys	Leu	Gly 470	Gln	Trp	Lys	Val	Gln 475	Ser	Cys	Glu	Lys	Lys 480	
Leu	Arg	Tyr	Val	Cys 485	Lys	Lys	Lys	Gly	Glu 490	Ile	Thr	Lys	Asp	Ala	Glu 495	
Ser	Asp	Lys	Leu 500	Cys	Pro	Pro	Asp	Glu 505	Gly	Trp	Lys	Arg	His 510	Gly	Glu	
Thr	Cys	Tyr 515	Lys	Ile	Tyr	Glu	Lys 520	Glu	Ala	Pro	Phe	Gly 525	Thr	Asn	Cys	
Asn 530	Leu	Thr	Ile	Thr	Ser	Arg	Phe 535	Glu	Gln	Glu	Phe 540	Leu	Asn	Tyr	Met	
Met 545	Lys	Asn	Tyr	Asp	Lys 550	Ser	Leu	Arg	Lys	Tyr 555	Phe	Trp	Thr	Gly	Leu 560	
Arg	Asp	Pro	Asp	Ser 565	Arg	Gly	Glu	Tyr	Ser 570	Trp	Ala	Val	Ala	Gln	Gly 575	
Val	Lys	Gln 580	Ala	Val	Thr	Phe	Ser 585	Asn	Trp	Asn	Phe	Leu 590	Glu	Pro	Ala	
Ser	Pro	Gly 595	Gly	Cys	Val	Ala	Met 600	Ser	Thr	Gly	Lys	Thr 605	Leu	Gly	Lys	
Trp 610	Glu	Val	Lys	Asn	Cys	Arg	Ser 615	Phe	Arg	Ala	Leu 620	Ser	Ile	Cys	Lys	
Lys 625	Val	Ser	Glu	Pro	Gln 630	Glu	Pro	Glu	Glu	Ala 635	Ala	Pro	Lys	Pro	Asp 640	
Asp	Pro	Cys	Pro	Glu 645	Gly	Trp	His	Thr	Phe 650	Pro	Ser	Ser	Leu	Ser	Cys 655	
Tyr	Lys	Val 660	Phe	His	Ile	Glu	Arg 665	Ile	Val	Arg	Lys	Arg 670	Asn	Trp	Glu	
Glu	Ala	Glu 675	Arg	Phe	Cys	Gln	Ala 680	Leu	Gly	Ala	His	Leu 685	Pro	Ser	Phe	
Ser 690	Arg	Arg	Glu	Glu	Ile	Lys 695	Asp	Phe	Val	His	Leu 700	Leu	Lys	Asp	Gln	
Phe 705	Ser	Gly	Gln	Arg	Trp 710	Leu	Trp	Ile	Gly	Leu 715	Asn	Lys	Arg	Ser	Pro 720	
Asp	Leu	Gln	Gly	Ser 725	Trp	Gln	Trp	Ser	Asp 730	Arg	Thr	Pro	Val	Ser	Ala 735	
Val	Met	Met 740	Glu	Pro	Glu	Phe	Gln 745	Gln	Asp	Phe	Asp	Ile 750	Arg	Asp	Cys	
Ala	Ala	Ile 755	Lys	Val	Leu	Asp	Val 760	Pro	Trp	Arg	Arg	Val 765	Trp	His	Leu	
Tyr 770	Glu	Asp	Lys	Asp	Tyr	Ala 775	Tyr	Trp	Lys	Pro	Phe 780	Ala	Cys	Asp	Ala	
Lys 785	Leu	Glu	Trp	Val	Cys 790	Gln	Ile	Pro	Lys	Gly 795	Ser	Thr	Pro	Gln	Met 800	
Pro	Asp	Trp	Tyr	Asn 805	Pro	Glu	Arg	Thr	Gly 810	Ile	His	Gly	Pro	Pro	Val 815	
Ile	Ile	Glu 820	Gly	Ser	Glu	Tyr	Trp 825	Phe	Val	Ala	Asp	Pro 830	His	Leu	Asn	
Tyr	Glu	Glu 835	Ala	Val	Leu	Tyr	Cys 840	Ala	Ser	Asn	His	Ser 845	Phe	Leu	Ala	
Thr	Ile 850	Thr	Ser	Phe	Thr	Gly 855	Leu	Lys	Ala	Ile	Lys 860	Asn	Lys	Leu	Ala	
Asn 865	Ile	Ser	Gly	Glu	Glu 870	Gln	Lys	Trp	Trp	Val 875	Lys	Thr	Ser	Glu	Asn 880	
Pro	Ile	Asp	Arg	Tyr 885	Phe	Leu	Gly	Ser	Arg 890	Arg	Arg	Leu	Trp	His	His 895	
Phe	Pro	Met 900	Thr	Phe	Gly	Asp	Glu 905	Cys	Leu	His	Met	Ser	Ala	Lys	Thr	

Trp	Leu	Val	Asp	Leu	Ser	Lys	Arg	Ala	Asp	Cys	Asn	Ala	Lys	Leu	Pro		
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Phe	Ile	Cys	Glu	Arg	Tyr	Asn	Val	Ser	Ser	Leu	Glu	Lys	Tyr	Ser	Pro		
		930				935						940					
Asp	Pro	Ala	Ala	Lys	Val	Gln	Cys	Thr	Glu	Lys	Trp	Ile	Pro	Phe	Gln		
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Asn	Lys	Cys	Phe	Leu	Lys	Val	Asn	Ser	Gly	Pro	Val	Thr	Phe	Ser	Gln		
			965						970					975			
Ala	Ser	Gly	Ile	Cys	His	Ser	Tyr	Gly	Gly	Thr	Leu	Pro	Ser	Val	Leu		
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Ser	Arg	Gly	Glu	Gln	Asp	Phe	Ile	Ile	Ser	Leu	Leu	Pro	Glu	Met	Glu		
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Ala	Ser	Leu	Trp	Ile	Gly	Leu	Arg	Trp	Thr	Ala	Tyr	Glu	Arg	Ile	Asn		
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Arg	Trp	Thr	Asp	Asn	Arg	Glu	Leu	Thr	Tyr	Ser	Asn	Phe	His	Pro	Leu		
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Leu	Val	Gly	Arg	Arg	Leu	Ser	Ile	Pro	Thr	Asn	Phe	Phe	Asp	Asp	Glu		
			1045						1050					1055			
Ser	His	Phe	His	Cys	Ala	Leu	Ile	Leu	Asn	Leu	Lys	Lys	Ser	Pro	Leu		
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Thr	Gly	Thr	Trp	Asn	Phe	Thr	Ser	Cys	Ser	Glu	Arg	His	Ser	Leu	Ser		
		1075					1080					1085					
Leu	Cys	Gln	Lys	Tyr	Ser	Glu	Thr	Glu	Asp	Gly	Gln	Pro	Trp	Glu	Asn		
		1090				1095					1100						
Thr	Ser	Lys	Thr	Val	Lys	Tyr	Leu	Asn	Asn	Leu	Tyr	Lys	Ile	Ile	Ser		
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Met	Arg	Leu	Val	Ser	Ile	Thr	Asp	Pro	Tyr	Gln	Gln	Ala	Phe	Leu	Ala		
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Val	Gln	Ala	Thr	Leu	Arg	Asn	Ser	Phe	Trp	Ile	Gly	Leu	Ser	Ser			
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Gln	Asp	Asp	Glu	Leu	Asn	Phe	Gly	Trp	Ser	Asp	Gly	Lys	Arg	Leu	Gln		
		1170				1175					1180						
Phe	Ser	Asn	Trp	Ala	Gly	Ser	Asn	Glu	Gln	Leu	Asp	Asp	Cys	Val	Ile		
		1185			1190					1195					1200		
Leu	Asp	Thr	Asp	Gly	Phe	Trp	Lys	Thr	Ala	Asp	Cys	Asp	Asp	Asn	Gln		
			1205						1210					1215			
Pro	Gly	Ala	Ile	Cys	Tyr	Tyr	Pro	Gly	Asn	Glu	Thr	Glu	Glu	Glu	Val		
		1220						1225					1230				
Arg	Ala	Leu	Asp	Thr	Ala	Lys	Cys	Pro	Ser	Pro	Val	Gln	Ser	Thr	Pro		
		1235				1240						1245					
Trp	Ile	Pro	Phe	Gln	Asn	Ser	Cys	Tyr	Asn	Phe	Met	Ile	Thr	Asn	Asn		
		1250			1255						1260						
Arg	His	Lys	Thr	Val	Thr	Pro	Glu	Glu	Val	Gln	Ser	Thr	Cys	Glu	Lys		
		1265			1270					1275					1280		
Leu	His	Pro	Lys	Ala	His	Ser	Leu	Ser	Ile	Arg	Asn	Glu	Glu	Glu	Asn		
			1285						1290					1295			
Thr	Phe	Val	Val	Glu	Gln	Leu	Leu	Tyr	Phe	Asn	Tyr	Ile	Ala	Ser	Trp		
		1300						1305					1310				
Val	Met	Leu	Gly	Ile	Thr	Tyr	Glu	Asn	Asn	Ser	Leu	Met	Trp	Phe	Asp		
		1315				1320					1325						
Lys	Thr	Ala	Leu	Ser	Tyr	Thr	His	Trp	Arg	Thr	Gly	Arg	Pro	Thr	Val		
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Lys	Asn	Gly	Lys	Phe	Leu	Ala	Gly	Leu	Ser	Thr	Asp	Gly	Phe	Trp	Asp		
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Ile	Gln	Ser	Phe	Asn	Val	Ile	Glu	Glu	Thr	Leu	His	Phe	Tyr	Gln	His		

1365 1370 1375  
 Ser Ile Ser Ala Cys Lys Ile Glu Met Val Asp Tyr Glu Asp Lys His  
 1380 1385 1390  
 Asn Gly Thr Leu Pro Gln Phe Ile Pro Tyr Lys Asp Gly Val Tyr Ser  
 1395 1400 1405  
 Val Ile Gln Lys Lys Val Thr Trp Tyr Glu Ala Leu Asn Ala Cys Ser  
 1410 1415 1420  
 Gln Ser Gly Gly Glu Leu Ala Ser Val His Asn Pro Asn Gly Lys Leu  
 1425 1430 1435 1440  
 Phe Leu Glu Asp Ile Val Asn Arg Asp Gly Phe Pro Leu Trp Val Gly  
 1445 1450 1455  
 Leu Ser Ser His Asp Gly Ser Glu Ser Ser Phe Glu Trp Ser Asp Gly  
 1460 1465 1470  
 Arg Ala Phe Asp Tyr Val Pro Trp Gln Ser Leu Gln Ser Pro Gly Asp  
 1475 1480 1485  
 Cys Val Val Leu Tyr Pro Lys Gly Ile Trp Arg Arg Glu Lys Cys Leu  
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 Ser Val Lys Asp Gly Ala Ile Cys Tyr Lys Pro Thr Lys Asp Lys Lys  
 1505 1510 1515 1520  
 Leu Ile Phe His Val Lys Ser Ser Lys Cys Pro Val Ala Lys Arg Asp  
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 Gly Pro Gln Trp Val Gln Tyr Gly Gly His Cys Tyr Ala Ser Asp Gln  
 1540 1545 1550  
 Val Leu His Ser Phe Ser Glu Ala Lys Gln Val Cys Gln Glu Leu Asp  
 1555 1560 1565  
 His Ser Ala Thr Val Val Thr Ile Ala Asp Glu Asn Glu Asn Lys Phe  
 1570 1575 1580  
 Val Ser Arg Leu Met Arg Glu Asn Tyr Asn Ile Thr Met Arg Val Trp  
 1585 1590 1595 1600  
 Leu Gly Leu Ser Gln His Ser Leu Asp Gln Ser Trp Ser Trp Leu Asp  
 1605 1610 1615  
 Gly Leu Asp Val Thr Phe Val Lys Trp Glu Asn Lys Thr Lys Asp Gly  
 1620 1625 1630  
 Asp Gly Lys Cys Ser Ile Leu Ile Ala Ser Asn Glu Thr Trp Arg Lys  
 1635 1640 1645  
 Val His Cys Ser Arg Gly Tyr Ala Arg Ala Val Cys Lys Ile Pro Leu  
 1650 1655 1660  
 Ser Pro Asp Tyr Thr Gly Ile Ala Ile Leu Phe Ala Val Leu Cys Leu  
 1665 1670 1675 1680  
 Leu Gly Leu Ile Ser Leu Ala Ile Trp Phe Leu Leu Gln Arg Ser His  
 1685 1690 1695  
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 Glu Asp Glu Val Met Leu Pro Ser Phe His Asp  
 1715 1720

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 <212> PRT  
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 Ala Gly Ser Ala Glu Thr Ala Ala Trp Ala Val Thr Pro Glu Arg Leu  
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Arg	Glu	Trp	Gln	Asp	Lys	Gly	Ile	Phe	Ile	Ile	Gln	Ser	Glu	Asn	Leu
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Glu	Lys	Cys	Ile	Gln	Ala	Ser	Lys	Ser	Thr	Leu	Thr	Leu	Glu	Asn	Cys
		50					55				60				
Lys	Pro	Pro	Asn	Lys	Tyr	Met	Leu	Trp	Lys	Trp	Val	Ser	Asn	His	Arg
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Leu	Phe	Asn	Ile	Gly	Gly	Ser	Gly	Cys	Leu	Gly	Leu	Asn	Val	Ser	Ser
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Pro	Glu	Gln	Pro	Leu	Ser	Ile	Tyr	Glu	Cys	Asp	Ser	Thr	His	Val	Ser
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Leu	Lys	Trp	His	Cys	Asn	Lys	Lys	Thr	Ile	Thr	Gly	Pro	Leu	Gln	Tyr
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Leu	Val	Gln	Val	Lys	Gln	Asp	Asn	Thr	Leu	Val	Ala	Ser	Arg	Lys	Tyr
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Leu	His	Lys	Trp	Val	Ser	Tyr	Met	Ser	Gly	Gly	Gly	Gly	Ile	Cys	Asp
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Tyr	Leu	His	Lys	Asp	Leu	Tyr	Thr	Ile	Lys	Gly	Asn	Ala	His	Gly	Thr
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Pro	Cys	Met	Phe	Pro	Phe	Gln	Tyr	Asn	Gln	Gln	Trp	His	His	Glu	Cys
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Thr	Arg	Glu	Gly	Arg	Glu	Asp	Asn	Leu	Leu	Trp	Cys	Ala	Thr	Thr	Ser
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Arg	Tyr	Glu	Arg	Asp	Glu	Lys	Trp	Gly	Phe	Cys	Pro	Asp	Pro	Thr	Ser
		210				215					220				
Thr	Glu	Val	Gly	Cys	Asp	Ala	Val	Trp	Glu	Lys	Asp	Leu	His	Ser	Arg
225					230					235					240
Ile	Cys	Tyr	Gln	Phe	Asn	Leu	Leu	Ser	Ser	Leu	Ser	Trp	Ser	Glu	Ala
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His	Ser	Ser	Cys	Gln	Met	Gln	Gly	Ala	Ala	Leu	Leu	Ser	Ile	Ala	Asp
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Glu	Thr	Glu	Glu	Asn	Phe	Val	Arg	Lys	His	Leu	Gly	Ser	Glu	Ala	Val
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Glu	Val	Trp	Met	Gly	Leu	Asn	Gln	Leu	Asp	Glu	Asp	Ala	Gly	Trp	Gln
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Trp	Ser	Asp	Arg	Thr	Pro	Leu	Asn	Tyr	Leu	Asn	Trp	Lys	Pro	Glu	Ile
305					310					315					320
Asn	Phe	Glu	Pro	Phe	Val	Glu	Tyr	His	Cys	Gly	Thr	Phe	Asn	Ala	Phe
				325					330					335	
Met	Pro	Lys	Ala	Trp	Lys	Ser	Arg	Asp	Cys	Glu	Ser	Thr	Leu	Pro	Tyr
			340					345					350		
Val	Cys	Lys	Lys	Tyr	Leu	Asn	Pro	Thr	Asp	His	Gly	Val	Val	Glu	Lys
		355					360					365			
Asp	Ala	Trp	Lys	Tyr	Tyr	Ala	Thr	His	Cys	Glu	Pro	Gly	Trp	Asn	Pro
		370				375					380				
His	Asn	Arg	Asn	Cys</											

				485					490					495			
Leu	Phe	Tyr	Leu	Cys	Lys	Lys	Thr	His	Leu	Val	Leu	Ser	Asp	Thr	Glu		
			500					505					510				
Ser	Gly	Cys	Gln	Lys	Gly	Trp	Glu	Arg	His	Gly	Lys	Phe	Cys	Tyr	Lys		
		515					520					525					
Ile	Asp	Thr	Val	Leu	Arg	Ser	Phe	Asp	His	Ala	Ser	Ser	Gly	Tyr	Tyr		
	530					535					540						
Cys	Pro	Pro	Ala	Leu	Ile	Thr	Ile	Thr	Ser	Arg	Phe	Glu	Gln	Ala	Phe		
545					550					555					560		
Ile	Thr	Ser	Leu	Ile	Ser	Ser	Val	Val	Lys	Thr	Lys	Asp	Thr	Tyr	Phe		
			565						570					575			
Trp	Ile	Ala	Leu	Gln	Asp	Gln	Asn	Asn	Thr	Gly	Glu	Tyr	Thr	Trp	Lys		
			580					585						590			
Thr	Ala	Gly	Gln	Gln	Leu	Glu	Pro	Val	Lys	Tyr	Thr	His	Trp	Asn	Thr		
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Arg	Gln	Pro	Arg	Tyr	Ser	Gly	Gly	Cys	Val	Val	Met	Arg	Gly	Arg	Ser		
	610					615					620						
His	Pro	Gly	Arg	Trp	Glu	Val	Arg	Asp	Cys	Arg	His	Phe	Lys	Ala	Met		
625					630					635					640		
Ser	Leu	Cys	Lys	Gln	Pro	Val	Glu	Asn	Arg	Glu	Lys	Thr	Lys	Gln	Glu		
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Glu	Gly	Trp	Pro	Phe	His	Pro	Cys	Tyr	Leu	Asp	Trp	Glu	Ser	Glu	Pro		
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Gly	Leu	Ala	Ser	Cys	Phe	Lys	Val	Phe	His	Ser	Glu	Lys	Val	Leu	Met		
	675					680					685						
Lys	Arg	Thr	Trp	Arg	Gln	Ala	Glu	Glu	Phe	Cys	Glu	Glu	Phe	Gly	Ala		
	690				695						700						
His	Leu	Ala	Ser	Phe	Ala	His	Ile	Glu	Glu	Glu	Asn	Phe	Val	Asn	Glu		
705					710					715					720		
Leu	Leu	His	Ser	Lys	Phe	Asn	Arg	Thr	Glu	Glu	Arg	Gln	Phe	Trp	Ile		
			725					730						735			
Gly	Phe	Asn	Lys	Arg	Asn	Pro	Leu	Asn	Ala	Gly	Ser	Trp	Glu	Trp	Ser		
		740					745						750				
Asp	Gly	Thr	Pro	Val	Val	Ser	Ser	Phe	Leu	Asp	Asn	Ser	Tyr	Phe	Gly		
	755					760					765						
Glu	Asp	Ala	Arg	Asn	Cys	Ala	Val	Tyr	Lys	Ala	Asn	Lys	Thr	Leu	Leu		
	770				775						780						
Pro	Ser	Tyr	Cys	Gly	Ser	Lys	Arg	Glu	Trp	Ile	Cys	Lys	Ile	Pro	Arg		
785					790					795					800		
Asp	Val	Arg	Pro	Lys	Val	Pro	Pro	Trp	Tyr	Gln	Tyr	Asp	Ala	Pro	Trp		
			805					810						815			
Leu	Phe	Tyr	Gln	Asp	Ala	Glu	Tyr	Leu	Phe	His	Ile	Ser	Ala	Ser	Glu		
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Trp	Ser	Ser	Phe	Glu	Phe	Val	Cys	Gly	Trp	Leu	Arg	Ser	Asp	Ile	Leu		
	835						840					845					
Thr	Ile	His	Ser	Ala	His	Glu	Gln	Glu	Phe	Ile	His	Ser	Lys	Ile	Arg		
	850					855					860						
Ala	Leu	Ser	Lys	Tyr	Gly	Val	Asn	Trp	Trp	Ile	Gly	Leu	Arg	Glu	Glu		
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Arg	Ala	Ser	Asp	Glu	Phe	Arg	Trp	Arg	Asp	Gly	Ser	Pro	Val	Ile	Tyr		
			885					890						895			
Gln	Asn	Trp	Asp	Lys	Gly	Lys	Glu	Arg	Ser	Met	Gly	Leu	Asn	Glu	Ser		
		900						905					910				
Gln	Arg	Cys	Gly	Phe	Ile	Ser	Ser	Ile	Thr	Gly	Leu	Trp	Ala	Ser	Glu		
	915						920					925					
Glu	Cys	Ser	Ile	Ser	Met	Pro	Ser	Ile	Cys	Lys	Arg	Lys	Lys	Val	Trp		
	930					935					940						

Val	Ile	Glu	Lys	Lys	Lys	Asp	Ile	Pro	Lys	Gln	His	Gly	Thr	Cys	Pro	945		950		955		960	
Lys	Gly	Trp	Leu	Tyr	Phe	Asp	Tyr	Lys	Cys	Leu	Leu	Leu	Lys	Ile	Pro		965		970			975	
Glu	Gly	Pro	Ser	Asp	Trp	Lys	Asn	Trp	Thr	Ser	Ala	Gln	Asp	Phe	Cys		980		985			990	
Val	Glu	Glu	Gly	Gly	Thr	Leu	Val	Ala	Ile	Glu	Asn	Glu	Val	Glu	Gln		995		1000			1005	
Ala	Phe	Ile	Thr	Met	Asn	Leu	Phe	Gly	His	Thr	Thr	Asn	Val	Trp	Ile		1010		1015			1020	
Gly	Leu	Gln	Asp	Asp	Asp	Tyr	Glu	Lys	Trp	Leu	Asn	Gly	Arg	Pro	Val		1025		1030			1035	
Ser	Tyr	Ser	Asn	Trp	Ser	Pro	Phe	Asp	Thr	Lys	Asn	Ile	Pro	Asn	His			1045		1050		1055	
Asn	Thr	Thr	Glu	Val	Gln	Lys	Arg	Ile	Pro	Leu	Cys	Gly	Leu	Leu	Ser			1060		1065		1070	
Asn	Asn	Pro	Asn	Phe	His	Phe	Thr	Gly	Lys	Trp	Tyr	Phe	Asp	Cys	Arg			1075		1080		1085	
Glu	Gly	Tyr	Gly	Phe	Val	Cys	Glu	Lys	Met	Gln	Asp	Ala	Ser	Gly	His			1090		1095		1100	
Ser	Ile	Asn	Thr	Ser	Asp	Met	Tyr	Pro	Ile	Pro	Asn	Thr	Leu	Glu	Tyr			1105		1110		1115	
Gly	Asn	Arg	Thr	Tyr	Lys	Ile	Ile	Asn	Ala	Asn	Met	Thr	Trp	Tyr	Thr			1125		1130		1135	
Ala	Leu	Lys	Thr	Cys	Leu	Met	His	Gly	Ala	Glu	Leu	Ala	Ser	Ile	Thr			1140		1145		1150	
Asp	Gln	Tyr	His	Gln	Ser	Phe	Leu	Thr	Val	Ile	Leu	Asn	Arg	Val	Gly			1155		1160		1165	
Tyr	Ala	His	Trp	Ile	Gly	Leu	Phe	Thr	Glu	Asp	Asn	Gly	Leu	Ser	Phe			1170		1175		1180	
Asp	Trp	Ser	Asp	Gly	Thr	Lys	Ser	Ser	Phe	Thr	Phe	Trp	Lys	Asp	Asp			1185		1190		1195	
Glu	Ser	Ser	Phe	Leu	Gly	Asp	Cys	Val	Phe	Ala	Asp	Thr	Ser	Gly	Arg				1205		1210		1215
Trp	Ser	Ser	Thr	Ala	Cys	Glu	Ser	Tyr	Leu	Gln	Gly	Ala	Ile	Cys	Gln				1220		1225		1230
Val	Pro	Thr	Glu	Thr	Arg	Leu	Ser	Gly	Arg	Leu	Glu	Leu	Cys	Ser	Glu				1235		1240		1245
Thr	Ser	Ile	Pro	Trp	Ile	Lys	Phe	Lys	Ser	Asn	Cys	Tyr	Ser	Phe	Ser				1250		1255		1260
Thr	Val	Leu	Glu	Ser	Thr	Ser	Phe	Glu	Ala	Ala	His	Glu	Phe	Cys	Lys				1265		1270		1275
Lys	Lys	Gly	Ser	Asn	Leu	Leu	Thr	Ile	Lys	Asp	Glu	Ala	Glu	Asn	Ser				1285		1290		1295
Phe	Leu	Leu	Glu	Glu	Leu	Leu	Ala	Phe	Arg	Ser	Ser	Val	Gln	Met	Ile				1300		1305		1310
Trp	Leu	Asn	Ala	Gln	Phe	Asp	Gly	Asp	Asn	Glu	Thr	Ile	Lys	Trp	Phe				1315		1320		1325
Asp	Gly	Thr	Pro	Thr	Asp	Gln	Ser	Asn	Trp	Gly	Ile	Arg	Lys	Pro	Glu				1330		1335		1340
Val	Tyr	His	Phe	Lys	Pro	His	Leu	Cys	Val	Ala	Leu	Arg	Ile	Pro	Glu				1345		1350		1355
Gly	Val	Trp	Gln	Leu	Ser	Ser	Cys	Gln	Asp	Lys	Lys	Gly	Phe	Ile	Cys				1365		1370		1375
Lys	Met	Glu	Ala	Asp	Ile	His	Thr	Val	Lys	Lys	His	Pro	Gly	Lys	Gly				1380		1385		1390
Pro	Ser	His	Ser	Val	Ile	Pro	Leu	Thr	Val	Ala	Leu	Thr	Leu	Leu	Val								



	1395		1400		1405										
Ile	Leu	Ala	Ile	Ser	Thr	Leu	Ser	Phe	Cys	Met	Tyr	Lys	His	Ser	His
	1410					1415					1420				
Ile	Ile	Phe	Gly	Arg	Leu	Ala	Gln	Phe	Arg	Asn	Pro	Tyr	Tyr	Pro	Ser
1425					1430					1435				1440	
Ala	Asn	Phe	Ser	Thr	Val	His	Leu	Glu	Glu	Asn	Ile	Leu	Ile	Ser	Asp
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Leu	Glu	Lys	Asn	Asp	Gln										
			1460												

<210> 5

<211> 1457

<212> PRT

<213> homo sapiens macrophage mannose receptor

<400> 5

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Val	Leu	Leu	Leu	Asp	Thr	Arg	Gln	Phe	Leu	Ile	Tyr	Asn	Glu	Asp	His
			20					25					30		
Lys	Arg	Cys	Val	Asp	Ala	Val	Ser	Pro	Ser	Ala	Val	Gln	Thr	Ala	Ala
		35					40					45			
Cys	Asn	Gln	Asp	Ala	Glu	Ser	Gln	Lys	Phe	Arg	Trp	Val	Ser	Glu	Ser
	50					55					60				
Gln	Ile	Met	Ser	Val	Ala	Phe	Lys	Leu	Cys	Leu	Gly	Val	Pro	Ser	Lys
65				70					75					80	
Thr	Asp	Trp	Val	Ala	Ile	Thr	Leu	Tyr	Ala	Cys	Asp	Ser	Lys	Ser	Glu
			85						90					95	
Phe	Gln	Lys	Trp	Glu	Cys	Lys	Asn	Asp	Thr	Leu	Leu	Gly	Ile	Lys	Gly
		100						105					110		
Glu	Asp	Leu	Phe	Phe	Asn	Tyr	Gly	Asn	Arg	Gln	Glu	Lys	Asn	Ile	Met
	115						120					125			
Leu	Tyr	Lys	Gly	Ser	Gly	Leu	Trp	Ser	Arg	Trp	Lys	Ile	Tyr	Gly	Thr
	130					135					140				
Thr	Asp	Asn	Leu	Cys	Ser	Arg	Gly	Tyr	Glu	Ala	Met	Tyr	Thr	Leu	Leu
145				150					155					160	
Gly	Asn	Ala	Asn	Gly	Ala	Thr	Cys	Ala	Phe	Pro	Phe	Lys	Phe	Glu	Asn
			165						170					175	
Lys	Trp	Tyr	Ala	Asp	Cys	Thr	Ser	Ala	Gly	Arg	Ser	Asp	Gly	Trp	Leu
		180						185					190		
Trp	Cys	Gly	Thr	Thr	Thr	Asp	Tyr	Asp	Thr	Asp	Lys	Leu	Phe	Gly	Tyr
	195					200						205			
Cys	Pro	Leu	Lys	Phe	Glu	Gly	Ser	Glu	Ser	Leu	Trp	Asn	Lys	Asp	Pro
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Leu	Thr	Ser	Val	Ser	Tyr	Gln	Ile	Asn	Ser	Lys	Ser	Ala	Leu	Thr	Trp
225				230						235				240	
His	Gln	Ala	Arg	Lys	Ser	Cys	Gln	Gln	Gln	Asn	Ala	Glu	Leu	Leu	Ser
			245						250					255	
Ile	Thr	Glu	Ile	His	Glu	Gln	Thr	Tyr	Leu	Thr	Gly	Leu	Thr	Ser	Ser
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Leu	Thr	Ser	Gly	Leu	Trp	Ile	Gly	Leu	Asn	Ser	Leu	Ser	Phe	Asn	Ser
	275						280					285			
Gly	Trp	Gln	Trp	Ser	Asp	Arg	Ser	Pro	Phe	Arg	Tyr	Leu	Asn	Trp	Leu
	290					295					300				
Pro	Gly	Ser	Pro	Ser	Ala	Glu	Pro	Gly	Lys	Ser	Cys	Val	Ser	Leu	Asn
305					310					315					320

Pro	Gly	Lys	Asn	Ala	Lys	Trp	Glu	Asn	Leu	Glu	Cys	Val	Gln	Lys	Leu	
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Gly	Tyr	Ile	Cys	Lys	Lys	Gly	Asn	Thr	Thr	Leu	Asn	Ser	Phe	Val	Ile	
			340				345						350			
Pro	Ser	Glu	Ser	Asp	Val	Pro	Thr	His	Cys	Pro	Ser	Gln	Trp	Trp	Pro	
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Tyr	Ala	Gly	His	Cys	Tyr	Lys	Ile	His	Arg	Asp	Glu	Lys	Lys	Ile	Gln	
	370					375					380					
Arg	Asp	Ala	Leu	Thr	Thr	Cys	Arg	Lys	Glu	Gly	Gly	Asp	Leu	Thr	Ser	
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Ile	His	Thr	Ile	Glu	Glu	Leu	Asp	Phe	Ile	Ile	Ser	Gln	Leu	Gly	Tyr	
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Glu	Pro	Asn	Asp	Glu	Leu	Trp	Ile	Gly	Leu	Asn	Asp	Ile	Lys	Ile	Gln	
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Met	Tyr	Phe	Glu	Trp	Ser	Asp	Gly	Thr	Pro	Val	Thr	Phe	Thr	Lys	Trp	
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Leu	Arg	Gly	Glu	Pro	Ser	His	Glu	Asn	Asn	Arg	Gln	Glu	Asp	Cys	Val	
	450					455					460					
Val	Met	Lys	Gly	Lys	Asp	Gly	Tyr	Trp	Ala	Asp	Arg	Gly	Cys	Glu	Trp	
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Pro	Leu	Gly	Tyr	Ile	Cys	Lys	Met	Lys	Ser	Arg	Ser	Gln	Gly	Pro	Glu	
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Ile	Val	Glu	Val	Glu	Lys	Gly	Cys	Arg	Lys	Gly	Trp	Lys	Lys	His	His	
			500					505					510			
Phe	Tyr	Cys	Tyr	Met	Ile	Gly	His	Thr	Leu	Ser	Thr	Phe	Ala	Glu	Ala	
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Asn	Gln	Thr	Cys	Asn	Asn	Glu	Asn	Ala	Tyr	Leu	Thr	Thr	Ile	Glu	Asp	
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Arg	Tyr	Glu	Gln	Ala	Phe	Leu	Thr	Ser	Phe	Val	Gly	Leu	Arg	Pro	Glu	
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Lys	Tyr	Phe	Trp	Thr	Gly	Leu	Ser	Asp	Ile	Gln	Thr	Lys	Gly	Thr	Phe	
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Gln	Trp	Thr	Ile	Glu	Glu	Glu	Val	Arg	Phe	Thr	His	Trp	Asn	Ser	Asp	
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Met	Pro	Gly	Arg	Lys	Pro	Gly	Cys	Val	Ala	Met	Arg	Thr	Gly	Ile	Ala	
		595					600					605				
Gly	Gly	Leu	Trp	Asp	Val	Leu	Lys	Cys	Asp	Glu	Lys	Ala	Lys	Phe	Val	
	610					615					620					
Cys	Lys	His	Trp	Ala	Glu	Gly	Val	Thr	His	Pro	Pro	Lys	Pro	Thr	Thr	
625					630					635					640	
Thr	Pro	Glu	Pro	Lys	Cys	Pro	Glu	Asp	Trp	Gly	Ala	Ser	Ser	Arg	Thr	
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Ser	Leu	Cys	Phe	Lys	Leu	Tyr	Ala	Lys	Gly	Lys	His	Glu	Lys	Lys	Thr	
			660					665					670			
Trp	Phe	Glu	Ser	Arg	Asp	Phe	Cys	Arg	Ala	Leu	Gly	Gly	Asp	Leu	Ala	
		675					680					685				
Ser	Ile	Asn	Asn	Lys	Glu	Glu	Gln	Gln	Thr	Ile	Trp	Arg	Leu	Ile	Thr	
	690					695					700					
Ala	Ser	Gly	Ser	Tyr	His	Lys	Leu	Phe	Trp	Leu	Gly	Leu	Thr	Tyr	Gly	
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Ser	Pro	Ser	Glu	Gly	Phe	Thr	Trp	Ser	Asp	Gly	Ser	Pro	Val	Ser	Tyr	
				725					730					735		
Glu	Asn	Trp	Ala	Tyr	Gly	Glu	Pro	Asn	Asn	Tyr	Gln	Asn	Val	Glu	Tyr	
			740					745					750			
Cys	Gly	Glu	Leu	Lys	Gly	Asp	Pro	Thr	Met	Ser	Trp	Asn	Asp	Ile	Asn	
	755						760					765				
Cys	Glu	His	Leu	Asn	Asn	Trp	Ile	Cys	Gln	Ile	Gln	Lys	Gly	Gln	Thr	

770					775					780					
Pro 785	Lys	Pro	Glu	Pro	Thr 790	Pro	Ala	Pro	Gln	Asp 795	Asn	Pro	Pro	Val	Thr 800
Glu	Asp	Gly	Trp	Val 805	Ile	Tyr	Lys	Asp	Tyr	Gln 810	Tyr	Tyr	Phe	Ser	Lys 815
Glu	Lys	Glu	Thr 820	Met	Asp	Asn	Ala	Arg	Ala 825	Phe	Cys	Lys	Arg	Asn	Phe 830
Gly	Asp	Leu	Val 835	Ser	Ile	Gln	Ser	Glu	Ser 840	Glu	Lys	Lys	Phe	Leu	Trp 845
Lys	Tyr	Val	Asn 850	Arg	Asn	Asp	Ala	Gln	Ser 855	Ala	Tyr	Phe	Ile	Gly	Leu 860
Leu 865	Ile	Ser	Leu	Asp 870	Lys	Lys	Phe	Ala	Trp	Met	Asp	Gly	Ser	Lys	Val 880
Asp	Tyr	Val	Ser 885	Trp	Ala	Thr	Gly	Glu	Pro 890	Asn	Phe	Ala	Asn	Glu	Asp 895
Glu	Asn	Cys	Val 900	Thr	Met	Tyr	Ser	Asn	Ser 905	Gly	Phe	Trp	Asn	Asp	Ile 910
Asn	Cys	Gly	Tyr 915	Pro	Asn	Ala	Phe	Ile	Cys 920	Gln	Arg	His	Asn	Ser	Ser 925
Ile 930	Asn	Ala	Thr	Thr 935	Val	Met	Pro	Thr	Met	Pro 940	Ser	Val	Pro	Ser	Gly 945
Cys 945	Lys	Glu	Gly	Trp 950	Asn	Phe	Tyr	Ser	Asn	Lys 955	Cys	Phe	Lys	Ile	Phe 960
Gly	Phe	Met	Glu 965	Glu	Glu	Arg	Lys	Asn	Trp 970	Gln	Glu	Ala	Arg	Lys	Ala 975
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Gln	Ala	Phe	Leu 995	Thr	Tyr	His	Met	Lys	Asp 1000	Ser	Thr	Phe	Ser	Ala	Trp 1005
Thr	Gly	Leu	Asn 1010	Asp	Val	Asn	Ser	Glu	His 1015	Thr	Phe	Leu	Trp	Thr	Asp 1020
Gly 1025	Arg	Gly	Val	His 1030	Tyr	Thr	Asn	Trp	Gly	Lys 1035	Gly	Tyr	Pro	Gly	Gly 1040
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Gly	Gly	Ala	Ser 1060	Asn	Glu	Ala	Gly	Lys	Trp 1065	Met	Asp	Asp	Thr	Cys	Asp 1070
Ser	Lys	Arg	Gly 1075	Tyr	Ile	Cys	Gln	Thr	Arg 1080	Ser	Asp	Pro	Ser	Leu	Thr 1085
Asn	Pro	Pro	Ala 1090	Thr	Ile	Gln	Thr	Asp	Gly 1095	Phe	Val	Lys	Tyr	Gly	Lys 1100
Ser 1105	Ser	Tyr	Ser	Leu 1110	Met	Arg	Gln	Lys	Phe	Gln 1115	Trp	His	Glu	Ala	Glu 1120
Thr	Tyr	Cys	Lys 1125	Leu	His	Asn	Ser	Leu	Ile 1130	Ala	Ser	Ile	Leu	Asp	Pro 1135
Tyr	Ser	Asn	Ala 1140	Phe	Ala	Trp	Leu	Gln	Met 1145	Glu	Thr	Ser	Asn	Glu	Arg 1150
Val	Trp	Ile	Ala 1155	Leu	Asn	Ser	Asn	Leu	Thr 1160	Asp	Asn	Gln	Tyr	Thr	Trp 1165
Thr	Asp	Lys	Trp 1170	Arg	Val	Arg	Tyr	Thr	Asn 1175	Trp	Ala	Ala	Asp	Glu	Pro 1180
Lys 1185	Leu	Lys	Ser	Ala 1190	Cys	Val	Tyr	Leu	Asp	Leu 1195	Asp	Gly	Tyr	Trp	Lys 1200
Thr	Ala	His	Cys 1205	Asn	Glu	Ser	Phe	Tyr	Phe 1210	Leu	Cys	Lys	Arg	Ser	Asp 1215
Glu	Ile	Pro	Ala 1220	Thr	Glu	Pro	Pro	Gln	Leu 1225	Pro	Gly	Arg	Cys	Pro	Glu 1230

Ser Asp His Thr Ala Trp Glu Ile Pro Phe His Gly His Cys Tyr Tyr  
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 Ile Glu Ser Ser Tyr Thr Arg Asn Trp Gly Gln Ala Ser Leu Glu Cys  
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 Ser Phe Leu Ser Tyr Arg Val Glu Pro Leu Lys Ser Lys Thr Asn Phe  
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 Trp Ile Gly Leu Phe Arg Asn Val Glu Gly Thr Trp Leu Trp Ile Asn  
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 Asn Ser Pro Val Ser Phe Val Asn Trp Asn Thr Gly Asp Pro Ser Gly  
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 Glu Arg Asn Asp Cys Val Ala Leu His Ala Ser Ser Gly Phe Trp Ser  
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 1345 1350 1355 1360  
 Ile Ile Asp Ala Lys Pro Thr His Glu Leu Leu Thr Thr Lys Ala Asp  
 1365 1370 1375  
 Thr Arg Lys Met Asp Pro Ser Lys Pro Ser Ser Asn Val Ala Gly Val  
 1380 1385 1390  
 Val Ile Ile Val Ile Leu Leu Ile Leu Thr Gly Ala Gly Leu Ala Ala  
 1395 1400 1405  
 Tyr Phe Phe Tyr Lys Lys Arg Arg Val His Leu Pro Gln Glu Gly Ala  
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 Phe Glu Asn Thr Leu Tyr Phe Asn Ser Gln Ser Ser Pro Gly Thr Ser  
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 Ile

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 <211> 30  
 <212> PRT  
 <213> mus musculus C terminal DEC-205

<400> 6  
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 Gly Thr Asn Glu Asp Glu Val Met Leu Pro Ser Phe His Asp  
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<210> 7  
 <211> 6  
 <212> PRT  
 <213> homo sapiens

<220>  
 <221> VARIANT  
 <222> 1, 2, 4, 5, 6  
 <223> Xaa at position 1 is aromatic; Xaa at position 2  
 and 4 are aliphatic; Xaa at position 5 and 6 are  
 any of Asp, Asn, Glu, or Gln.

<400> 7

Xaa Xaa Gly Xaa Xaa Xaa  
1 5

<210> 8  
<211> 4  
<212> PRT  
<213> homo sapiens

<220>  
<221> VARIANT  
<222> 2, 4  
<223> Xaa at position 4 is aliphatic; Xaa at position 2  
is any of Asp, Asn, Glu, or Gln.

<400> 8  
Glu Xaa Cys Xaa  
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<210> 9  
<211> 4  
<212> PRT  
<213> homo sapiens

<220>  
<221> VARIANT  
<222> 1, 2, 4  
<223> Xaa at position 1 is aromatic; Xaa at position 2  
and 4 are aliphatic.

<400> 9  
Xaa Xaa Gly Xaa  
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<210> 10  
<211> 4  
<212> PRT  
<213> homo sapiens

<220>  
<221> VARIANT  
<222> 1, 3, 4  
<223> Xaa at position 1 is Glu or Gln; Xaa at position 3  
and 4 are Asp or Asn.

<400> 10  
Xaa Pro Xaa Xaa  
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<210> 11  
<211> 5  
<212> PRT  
<213> homo sapiens

<220>  
 <221> VARIANT  
 <222> 1, 2, 4, 5  
 <223> Xaa at position 1 is aromatic; Xaa at position 2  
 and 4 are aliphatic; Xaa at position 5 is any of  
 Asp, Asn, Glu, or Gln.

<400> 11  
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 1 5

<210> 12  
 <211> 5  
 <212> PRT  
 <213> homo sapiens

<220>  
 <221> VARIANT  
 <222> 2, 4, 5  
 <223> Xaa at position 5 is aliphatic or aromatic; Xaa at  
 position 4 is aliphatic; Xaa at position 2 is any  
 of Asp, Asn, Glu, or Gln.

<400> 12  
 Glu Xaa Cys Xaa Xaa  
 1 5

<210> 13  
 <211> 19  
 <212> PRT  
 <213> Homo sapiens

<400> 13  
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 Gly Lys Cys